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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/021,915	12/12/2001	Igor Davidovich Kushnirskiy	0007056-0234	2280

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EXAMINER

HOANG, PHUONG N

ART UNIT	PAPER NUMBER
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2194

DATE MAILED: 05/18/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/021,915

Applicant(s)

KUSHNIRSKIY ET AL.

Examiner

Phuong N. Hoang

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 January 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1, 3 - 10, 12 - 19, and 21 - 27 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 9, 18 and 27 is/are allowed.
- 6) ☒ Claim(s) 1, 3 - 8, 10, 12 - 17, 19, and 21 - 26 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. Claims 1, 3 – 10, 12 - 19, and 21 – 27 are pending for examination.

Drawings

2. Figures 1 and 2 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.121(d)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1, 3 - 8, 10, 12 - 17, 19, and 21 - 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over the admitted prior art (APA) pages 1 - 7 in view of Bandhauer "A zero generated code XPConnect proposal" pages 1 - 6.

5. As to claim 1, the APA teaches an Application Programming Interface (API), comprising the step of:

a platform-independent plug-in API (pluglet API 200, page 6 lines 3 – 9);
a browser plug-in API (browser plug-in API 230, page 6 lines 3 – 9) ; and
an intermediary (intermediary, page 6 lines 3 – 9) between the platform-independent plug-in API and the browser plug-in API.

The APA does not explicitly teach the plug-in API including a wrapper; wherein the platform-independent plug-in API comprises a plurality of interfaces and the wrapper includes a plurality of Interface Description Language (IDL) compliant interfaces, each IDL compliant interface being operably configured to connect a respective one of said platform-independent plug-in API interfaces to said intermediary.

Bandhauer teaches the wrapper (wrapper, pages 2 – 3 section Proxies), the platform-independent plug-in API comprises a plurality of interfaces (XPCOM interfaces, page 1 introduction section and page 3 paragraph 2), the wrapper includes a plurality of Interface Description Language (IDL) compliant interfaces (XPIDL, page 2 section interfaceInfo files and objects and page 3 paragraph 2), each IDL compliant interface

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being operably configured to connect a respective one of the platform-independent plug-in API interfaces to said intermediary (proxies or wrapper use nsIInterfaceInfo objects to configure themselves to appropriately wrap objects and forward calls).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teaching of the APA and Bandhauer's system because Bandhauer's wrapper would let the platform independent plug-in API communicate with the intermediary using a plurality of Interface Description Language (IDL) compliant interfaces to converts the interfaces to be compatible to enable the communication.

6. **As to claim 3**, the APA teaches the step of wherein the intermediary is a Blackconnect component (blackconnect, page 7 lines 1 - 11).

7. **As to claim 4**, the APA teaches the step of wherein the Blackconnect component includes an XPCOM component (XPCOM, page 7 lines 1 - 11).

8. **As to claims 5 and 6**, the APA teaches the step of wherein the platform independent plug-in API is written in a Java platform independent programming language (plug-in developed in the Java programming language, page 5 section plug-in development).

9. **As to claim 7**, The APA teaches the step of wherein the platform independent plug-in API is a backward compatible API (Java API is a compatible API that can run on cross-platform environment, page 5 section plug-in development).

10. **As to claim 8**, Bandhauer teaches the step of scriptable plug-in API (Javascript native object interface, page 2 last paragraph – page 3) wherein the scriptable plug-in API connects the browser plug-in API with the intermediary.

11. **As to claim 10**, it is the method claim of claim 1. See rejection for claim 1 above.

12. **As to claims 12 – 17**, see rejection for claims 3 – 8 above.

13. **As to claim 19**, it is the product claim of claim 1. See rejection for claim 1 above.

14. **As to claims 21 – 26**, see rejection for claims 3 – 8 above.

Allowable Subject Matter

15. Claims 9, 18, and 27 are allowed.

Response to Arguments

16. Applicant's arguments with respect to claims 1, 3 – 10, 12 - 19, 21 – 27 have been considered but are moot in view of the new ground(s) of rejection.

17. Applicant argued in substance that

(1) Applicants do not admit the cited portion of the specification were "prior art".

18. Examiner respectfully disagreed that

As to point 1, applicants admitted in the argument (page 3) that the fig. 1 and 2 are "prior art". Anyway, examiner cited some prior arts "Blackwood" projects in the last form PTO 892. Also, Applicant mentioned that applicant submits two updated figures 1 and 2 labeled as prior art. However, examiner could not find them.

Conclusion

19. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

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§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.


20. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuong N. Hoang whose telephone number is (571)272-3763. The examiner can normally be reached on Monday - Friday 9:00 am to 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (571)272-3756. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ph
May 13, 2005


MENG-AL T. AN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER